# fabrow WINDOW WALL frames



*wood*

**window wall windows**

**fabrow mfg., inc.**

# fabrow windows

Fabrow wood windows embody the most desired ingredient in contemporary architecture—large window areas at economical prices. Fabrow windows provide the high style of wood windows at their best, both indoors and out. With insulating glass, such as Thermopane or Twindow, Fabrow windows take the teeth out of winter cold and the wilt out of summer heat, thus removing the necessity of storm sash. With all Fabrow types, your home will have light, flexible ventilation and quieter interiors.

These frames cut on-the-job labor costs, require no mullion strips or splines, assure square, stay-tight assembly.

Fabrow windows are prefabricated in stock sizes; however, special sizes and designs will be accommodated so long as our standard 2″ x 6″ construction is maintained.

■ **Fabrorama window wall** Brings the outdoors indoors to achieve brighter, lighter interiors with large insulated glass areas.

■ **Fabrow ribbon windows** Insure privacy, allow more flexibility in furniture arrangement, permit natural lighting as needed even in houses set close together or near street traffic.

■ **Fabrow corner windows** Allow continuing Fabrorama or ribbon windows past the outside corner of the room to capture an ideal view.





## features and advantages

**3 distinctive types 21 sizes maximum glass areas Roto-Ventilator controlled ventilation**

Each Fabrow wood window frame member is accurately milled, precision cut, and notched from 2″x6″ clear Douglas Fir, water-repellent and toxic-treated. All frames are rabbeted to receive standard sizes of insulating glass (Thermopane, Glass-Seal Thermopane, Twindow or Twindoweld). For greater owner-comfort and greater fuel economy, single, double strength, or plate glass may also be used. Each frame, including mitered glass stops, comes to the job site pre-cut, rabbeted and ready for assembly (or assembled, as desired) without measuring or cutting. Simple, clear instruction sheets accompany each package.

**trim, proportional lines** Avoids heavy frame appearance, allows maximum see-through glass area.

**extra strong construction** Without thick, clumsy, view-obstructing frame work. Will not warp, expand, shrink.

**clean, dry sills** Fabrow Frames embody excellent insulation against heat, cold and sound. No condensation to mess window sills.

**toxic-treated** To repel fungus, dry rot, termites.

**ventilators** Fabrow Roto-Ventilator units applicable to window wall, corner and ribbon windows ("Standard" and "A" Series and "Fabrorama"), with screens and weather-stripping.

## window types

### ■ "Standard" and "A" series

The "Standard" Series is designed for 45½" x 25½" standard half-inch insulating glass for the stationary light. The "Standard" Fabrow Roto-Ventilator, which is designed for 42½" x 22½" half-inch standard size insulating glass, may also be installed in any or all openings as desired.

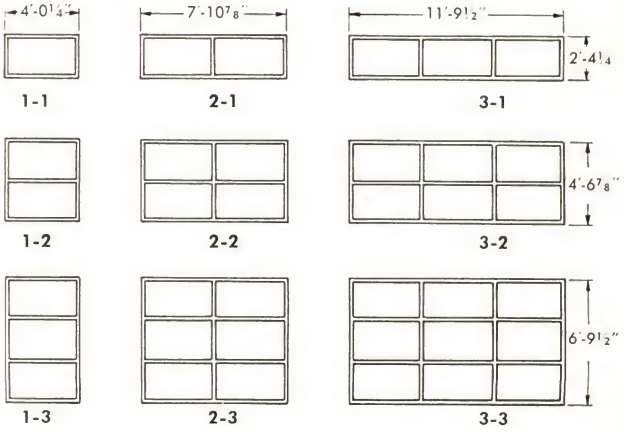
The "A" Series is designed for 36" x 24" standard half-inch insulating glass for the stationary light. The "A" Series Fabrow Roto-Ventilator, which is designed for 33" x 21" non-standard half-inch insulating glass, may also be installed in any or all openings as desired.

The "A" Series allows the architect to use any of the three 3-light-high series in order to establish perimeter baseboard heating ducts. The 1-1 "A" Series, because of its lesser width, facilitates fenestrations for kitchens, bathrooms and small rooms.

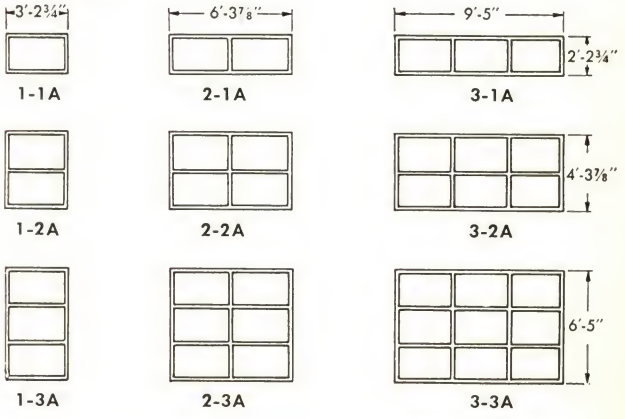


sizes

"Standard" series




"A" series




### ■ "Fabrorama"



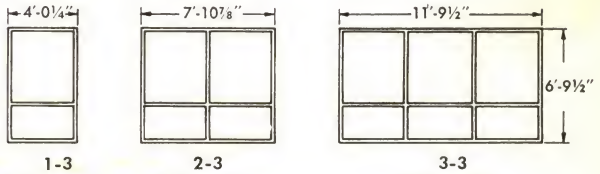
Created at the request of leading architects and builders desiring advanced fenestrations, the new Fabrorama Window Wall brings the outdoors indoors and achieves lighter brighter interiors with larger see through glass areas.

Top light designed for 45⅜" x 52", ⅞" or 1" standard size Thermopane insulating glass.

Bottom light designed for standard ½" size insulating glass measuring 45½" x 25½", or for "Standard" Fabrow Roto-Ventilator which takes 42½" x 22½" x ½" standard size insulating glass.

sizes

"Fabrorama" series



## Roto-Ventilators

Carefully designed to provide adequate room ventilation without interfering with the appearance of the large-glass-area of the Fabrow window.

Made to the same standards as all Fabrow Frames. Easy to operate. Easy to install. Weather-tight. Sash 1¾″ thick. Opens to approximately 45°.

Ventilators readily replace lights in Fabrow Frames. Downward movement of 2½″ from top provides ample ventilation at the top as well as bottom. Roto-Ventilator operates without disturbing screens, drapes or curtains.



### ■ hardware

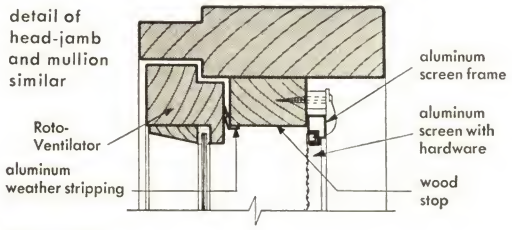
All hardware, including Roto-operators and hinges, is factory installed. Hinges provide combination pivot and counterbalance to eliminate stress on Roto-operator mechanism. Rust-proofed steel hinges with brass sliding shoes and pivots disappear when ventilator is closed.

Roto-operator, worm-gear design, applies force near center of bottom rail . . . equalizes force at both bottom corners to eliminate twist and wracking stresses on ventilator and hinges. Roto-operator also locks the ventilator against intrusion. Case and handle are heavily plated and surfaced with a statuary bronze finish.

### ■ screens and weatherstrip

One piece solid-edge aluminum wire fine mesh screen does not interfere with ventilator operation. Screen easily removed when glass is to be cleaned.

Factory-machined wood weatherstrip stops, with anodyzed aluminum compression weatherstrip installed in these stops, give positive weather-tight and air-tight seal.




### ■ storm sash

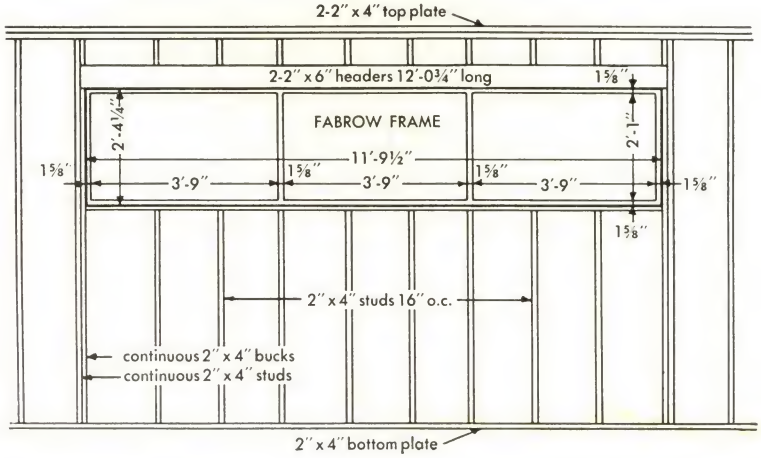
Aluminum frame storm sash are fixed to the inside of the windows and are available for units using double strength glass.

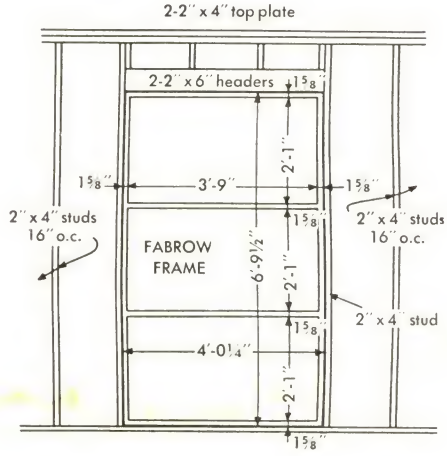
## load bearing details for Fabrow units

Fabrow Frames are structural panel window frames that are used in single or multiple panels. In the drawing at left below, the effect of the panel window units is a series of short 2″ x 6″ columns, 3′-11″ O.C., and 2′-3″ long. The rough stud opening is 11′-9½″ x 2′-4¼″, exactly the outside dimension of the window. By building the panel window unit solidly into the wall construction, the units will only require two 2″ x 6″ headers over one or a series of horizontal openings. This saves on structural timber normally required.

In the drawing at right below, the rough stud opening is 4′-0¼″ x 6′-9½″, exactly the outside dimension of the window. By building the panel window solidly into the wall construction, the vertical frame members substitute for the buck normally required on each side of the jamb openings. This saves two 2″ x 4″ pieces per window opening.

Our technical bulletin on stress, strain and roof loads will be sent on request to architects, contractors and builders.

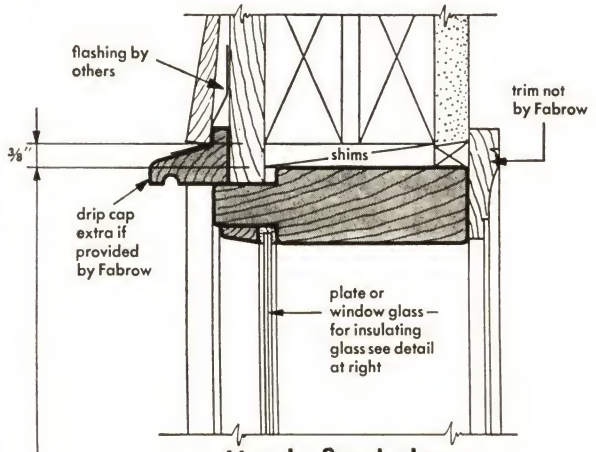


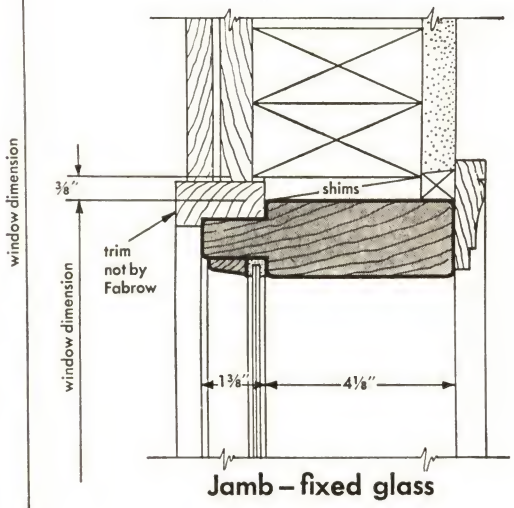
## installation details *for "Standard" and "A" series windows*

SCALE: 3" = 1'-0"

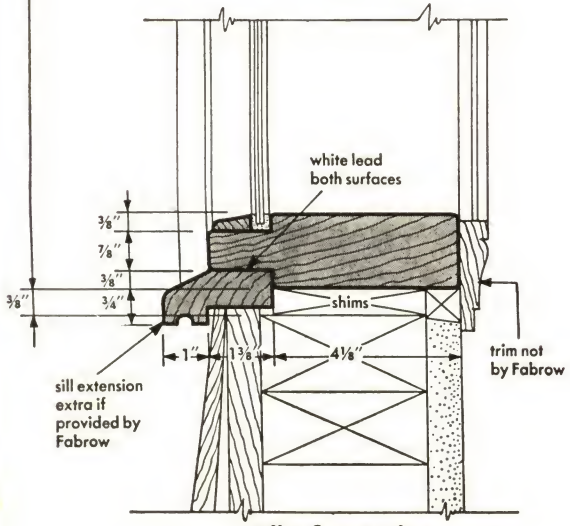
### frame




**Head – fixed glass**

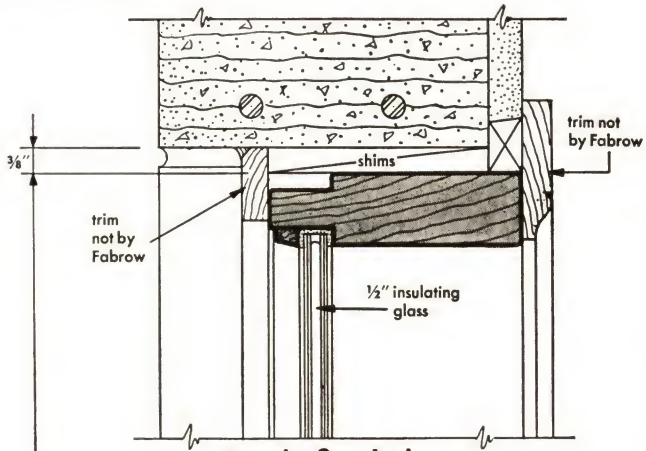



**Jamb – fixed glass**

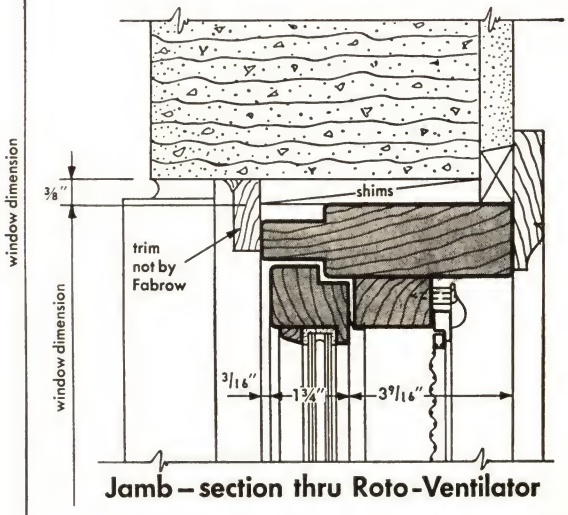



**Sill – fixed glass**

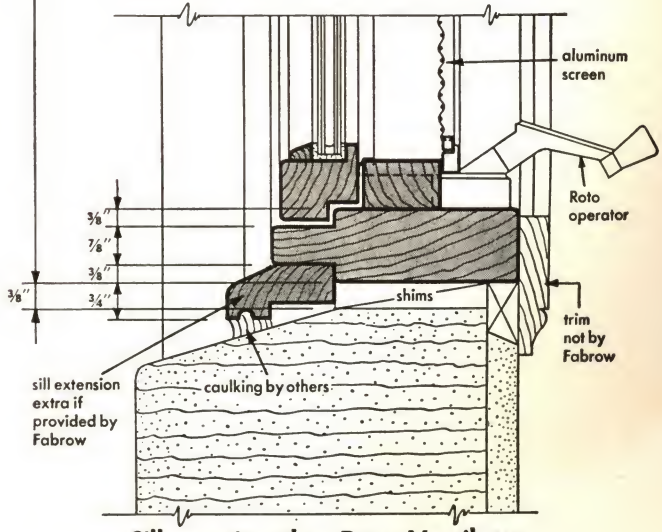
### masonry block




**Head – fixed glass**




**Jamb – section thru Roto-Ventilator**



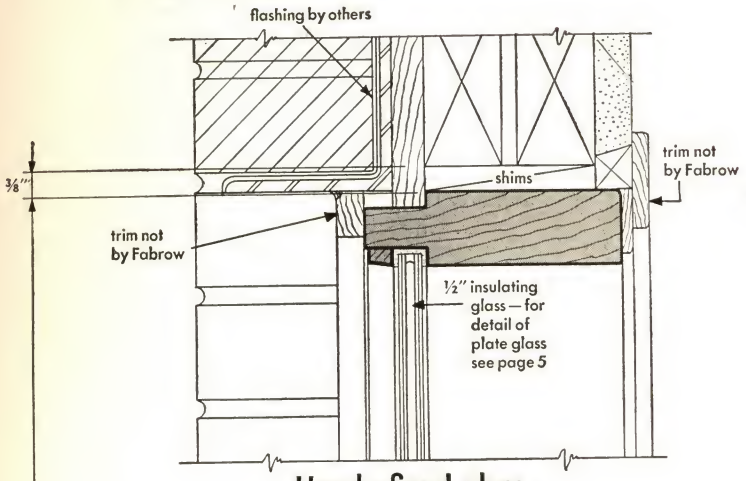

**Sill – section thru Roto-Ventilator**

**note for both construction types:**
Wedged shims shall be located at corners and all horizontal and vertical mullions, except when frame is used as load bearing (see page 4)

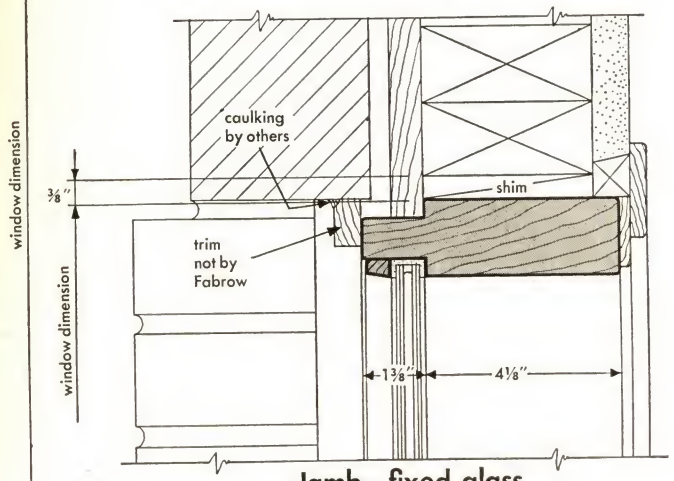
## installation details *for "Standard" and "A" series windows*

SCALE: 3" = 1'-0"

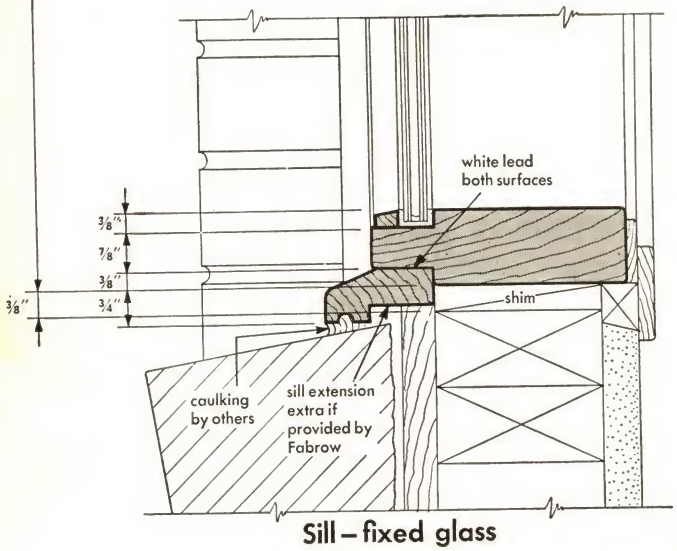
**brick veneer**




**Head – fixed glass**

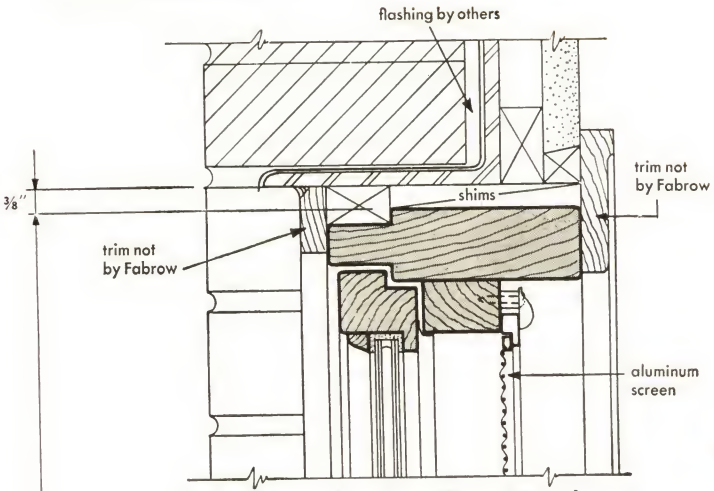



**Jamb – fixed glass**

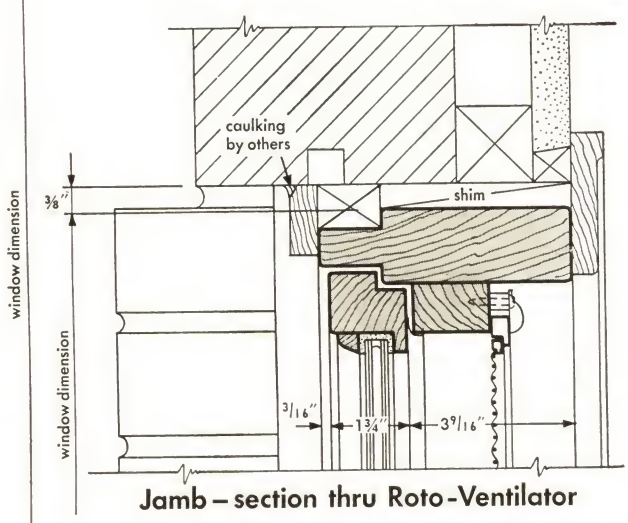



**Sill – fixed glass**

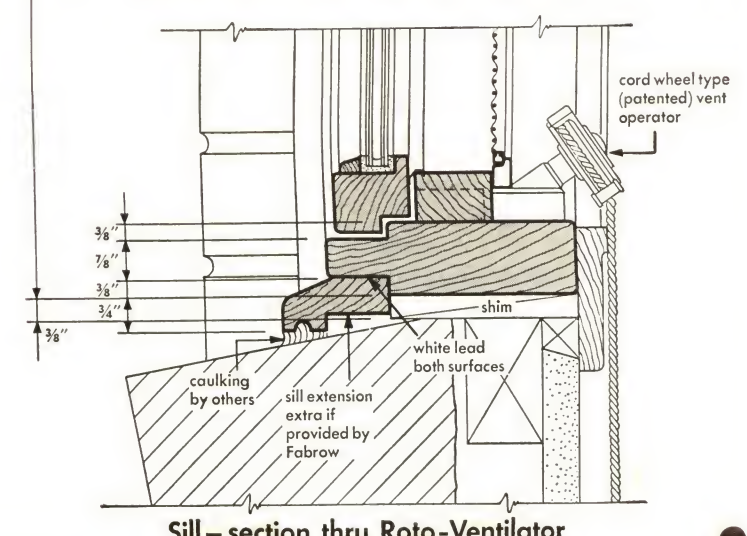
**SCR brick**




**Head – section thru Roto-Ventilator**




**Jamb – section thru Roto-Ventilator**

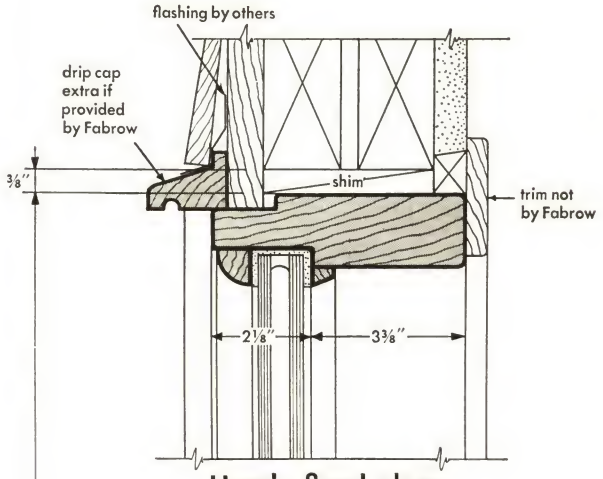



**Sill – section thru Roto-Ventilator**

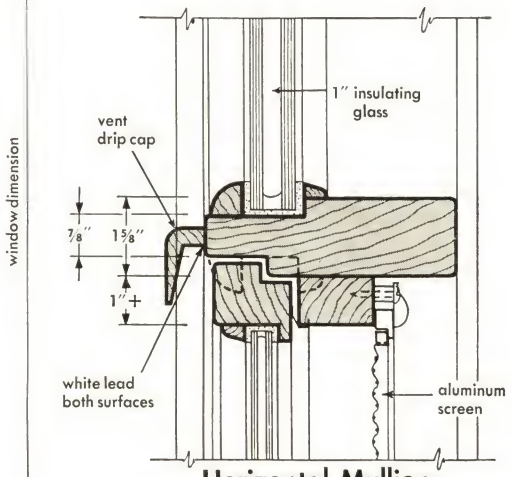
**note for both construction types:**

Wedged shims shall be located at corners and all horizontal and vertical mullions, except when frame is used as load bearing (see page 4)

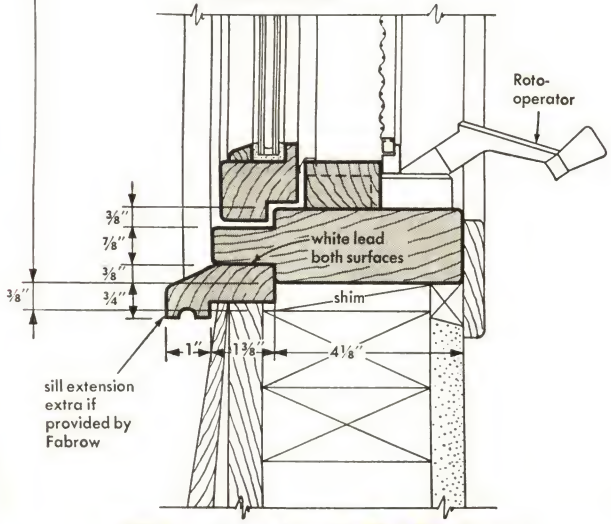
## installation details
— SCALE: 3″ = 1′-0″
***for Fabrorama windows only***




**Head – fixed glass**




**Horizontal Mullion**
dotted lines show condition at vertical mullion

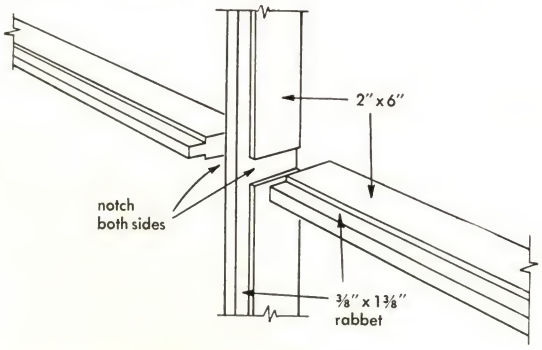



**Sill – section thru Roto-Ventilator**

**note:** Wedged shims shall be located at corners and all horizontal and vertical mullions, except when frame is used as load bearing (see page 4)

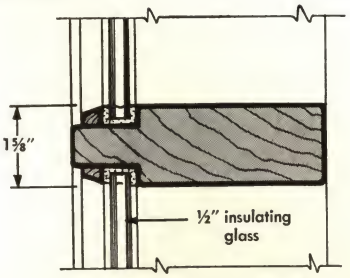
## construction details
— SCALE: 3″ = 1′-0″
***for all window types***

**joint**

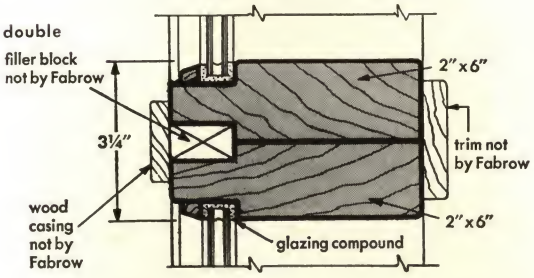



**mullions**

single



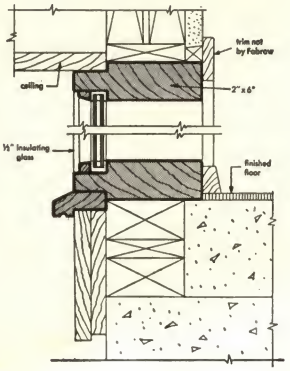

double




## installation details for special conditions
SCALE: 1 1/2″ = 1′-0″

**head**

**sill**





## suggested architectural specifications

Wood windows shall be of the quantities, sizes and series types as shown on the drawings and as manufactured by Fabrow Mfg., Inc., 7208 Douglas Road, Toledo, Ohio. Glass shall be of the type, grade and manufacture as shown on the window schedule. Roto-Ventilators shall be located as shown on elevation drawings.

Wood members shall be of select Douglas Fir free from knots. Heads, jambs, sills and mullions shall be precision cut and notched from kiln-dried 2″ x 6″ pieces, water repellent and toxic-treated. Rabbets shall be ⅜″ x 1⅜″ and shall receive either single or double strength glass, plate glass or insulating glass.

Window units shall not be nailed to sub frames but shall be securely wedged with wood shims at all corners and all vertical and horizontal mullions.

Exterior surfaces of all windows shall be given one coat of surface sealer (paint or varnish) immediately after installation.

Drip caps and sill extensions shall be omitted from all windows except those so designated on the window schedule. Caulking, interior and exterior trim, shall be as indicated under another section of the architects' specifications and shall not be provided by Fabrow Mfg., Inc.

## distributors

**Alabama, Montgomery**
Pitman Brothers, Inc.
156-160 Commerce Street

**Connecticut, Hartford**
State Glass Company
181 Walnut Street

**Illinois, Chicago 18**
Robert Arnold Company
3420 W. Irving Park Road

**Illinois, Danville**
Frank Thirion & Son Glass Co.
531 E. Main Street

**Indiana, Fort Wayne**
Building Materials & Supply
341 E. Main Street

**Indiana, Gary**
Ambridge Lumber & Supply Co.
2645 Wabash Avenue

**Indiana, Indianapolis**
Stewart-Carey Glass Company
270 Virginia Avenue

**Indiana, Marion**
Stewart-Carey Glass Company
1013 S. Washington St.

**Indiana, Terre Haute**
Stewart-Carey Glass Company
Wabash at 12th

**Iowa, Cedar Rapids**
M. Cach Glass Company, Inc.
907-09 2nd St. S.E.

**Kansas, Kansas City**
Window Enterprises, Inc.
301 North 7th Street
P.O. Box 962

**Kentucky, Lexington**
Lexington Glass Company
867 Angliana Avenue

**Massachusetts, Wellesley Hills**
McCabe & Dean, Inc.
27 Washington Street

**Michigan, Center Line**
Allied Millwork & Mfg. Co.
5674 East Ten Mile Road

**Michigan, Detroit 9**
Export-Import Service Company
4000 W. Jefferson Street

**Michigan, Grand Haven**
West Michigan Sash & Door Co.

**Michigan, Saginaw**
Saginaw Sash & Door Co.
319 McCoskry Street

**Minnesota, Duluth**
Duluth Builders Supply Co.
401 Builders Exchange Building

**Nebraska, Omaha**
Glass House of Omaha
3904 Lake Street

**New York, Buffalo**
Hastings Distributors
1630 Bailey Avenue

**North Dakota, Bismarck**
Vantine Paint & Glass Co.
313 Main Street

**Ohio, Canton**
Pella Window Corporation
1811 Cleveland N.W.

**Ohio, Cincinnati 2**
H. Neuer Glass Company
508 Reading Road

**Ohio, Mansfield**
Home Materials Company
154-160 Orange Street

**Pennsylvania, Philadelphia 44**
Chew-Bittel Company
6206 Germantown Avenue

**Pennsylvania, Pittsburgh 22**
Building Specialties Company
951 Century Building

**Pennsylvania, Williamsport**
Home Supply Company
733 W. Third Street

**Pennsylvania, York**
Richard P. March
214 N. Beaver Street

**Tennessee, Kingsport**
Holston Glass Company
545 E. Main St., Box 328

**Tennessee, Knoxville**
Aluminum Home Products Co.
Carr Street at Southern Rwy.

**Virginia, Richmond 12**
Binswanger & Company
3000 W. Leigh Street
P.O. Box 1539

**Wisconsin, Appleton**
George J. Hoffer Glass Company
613 W. College Avenue

**Wisconsin, Windsor**
Central Wisconsin Supply Co.

Fabrow **MANUFACTURING, INC.**

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**Klondike 9391, Toledo, Ohio**